

SURFACE PUMPS

50 Hz

南京亚勤科贸有限公司
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VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLRI 2Bs (**Version "F" with round flanges**) are vertical multistage electric centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features

- Base, impellers, diffusers, intermediate chambers and outer liner in stainless steel AISI 304
- Electric pump head and coupling in GG20 cast iron
- Mechanical seal with tungsten carbide primary and secondary ring, EPDM O-ring
- EPDM rubber O ring
- For the version "F" VLRI, round DN 32 counterflanges on request

Motor

- Asynchronous electric three-phase motor with enclosed stator and external ventilation
- Main dimensions are in accordance with the provisions of DIN and IEC standards
- Class F insulation
- Level of protection IP 55
- Maximum environmental temperature 40 °C
- Speed of rotation 2900 rpm

Usage Limitations

- Liquid temperature from - 15°C to 120°C
- Maximum operating pressure:
 - 25 bar (max. pumped liquid temperature 40 °C)
 - 21 bar (max. pumped liquid temperature 120 °C)
- Maximum inlet pressure:

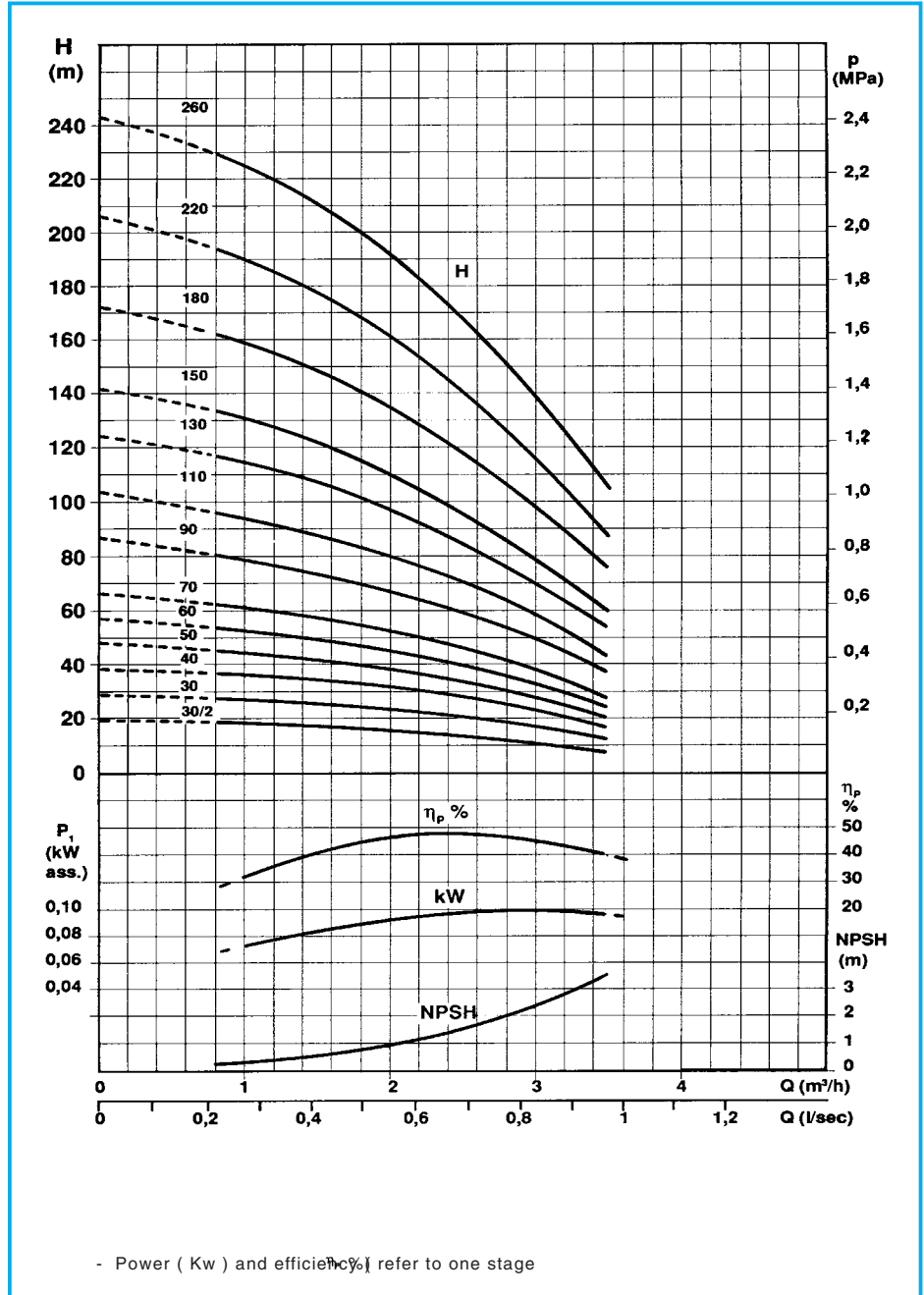
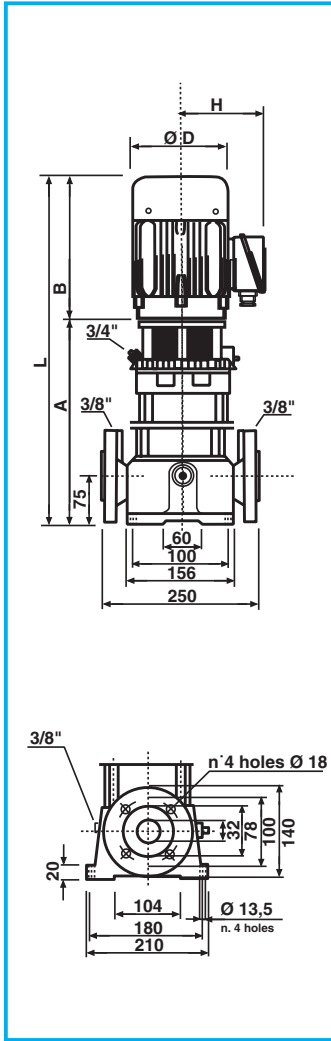
VLRI 2B- 30/2	= 6 bar
VLRI 2B- 30 - VLRI 2B-110	= 10 bar
VLRI 2B- 130 - VLRI 2B-260	= 15 bar
- Minimum suction head: please refer to the NPSH values with a safety margin of 0.5 m

Applications

Water supply - Pressure increase systems - Irrigation - High pressure washes - Firefighting systems - Boiler supply - Liquid transfer in general



CODE	MODEL	Motor Power		VOLTAGE	Amp.	μF.	Q	L/1' m³/h	Discharge head in meters					PRICE										
		HP	kW						10	20	30	40	50											
E2400010	VLRI 2B- 30/2 F M	0,50	0,37	1 ~ 230 V	2,7	14	Discharge head in meters	Q	m³/h	10	20	30	40	50										
E2400020	VLRI 2B- 30/2 F T			3 ~ 230+400 V	1,0 - 0,6					0,6	1,2	1,8	2,4	3,0										
E2400030	VLRI 2B- 30 F M	0,50	0,37	1 ~ 230 V	2,7	14				29	27	25	21	17										
E2400040	VLRI 2B- 30 F T			3 ~ 230+400 V	1,4 - 0,8					37	35	32	29	23										
E2400050	VLRI 2B- 40 F M	0,75	0,55	1 ~ 230 V	4,0	16				47	43	40	35	28										
E2400060	VLRI 2B- 40 F T			3 ~ 230+400 V	1,8 - 1,0					56	51	48	42	33										
E2400070	VLRI 2B- 50 F M	0,75	0,55	1 ~ 230 V	4,0	16				65	60	55	49	39										
E2400080	VLRI 2B- 50 F T			3 ~ 230+400 V	2,3 - 1,3					84	78	70	62	50										
E2400090	VLRI 2B- 60 F M	1,00	0,75	1 ~ 230 V	5,2	25				100	93	84	74	60										
E2400100	VLRI 2B- 60 F T			3 ~ 230+400 V	2,7 - 1,5					120	112	102	89	71										
E2400110	VLRI 2B- 70 F M	1,00	0,75	1 ~ 230 V	5,2	25				138	129	116	99	81										
E2400120	VLRI 2B- 70 F T			3 ~ 230+400 V	3,0 - 1,7					166	155	141	122	99										
E2400130	VLRI 2B- 90 F M	1,50	1,10	1 ~ 230 V	8,0	35				199	185	168	145	118										
E2400140	VLRI 2B- 90 F T			3 ~ 230+400 V	3,6 - 2,1					232	220	200	173	141										
E2400150	VLRI 2B-110 F M	1,50	1,10	1 ~ 230 V	8,0	35																		
E2400160	VLRI 2B-110 F T			3 ~ 230+400 V	4,3 - 2,5																			
E2400170	VLRI 2B-130 F M	2,00	1,50	1 ~ 230 V	12,0	45																		
E2400180	VLRI 2B-130 F T			3 ~ 230+400 V	5,0 - 2,9																			
E2400190	VLRI 2B-150 F M	2,00	1,50	1 ~ 230 V	12,0	45																		
E2400200	VLRI 2B-150 F T			3 ~ 230+400 V	5,7 - 3,3																			
E2400210	VLRI 2B-180 F T	3,00	2,20	3 ~ 230+400 V	7,2 - 4,1																			
E2400220	VLRI 2B-220 F T	3,00	2,20	3 ~ 230+400 V	8,7 - 5,0																			
E2400230	VLRI 2B-260 F T	4,00	3,00	3 ~ 230+400 V	11,4 - 6,6																			



Model	Dimensions mm					Net Weight kg
	A	B	L	D	H	
VLRI 2B - 30/2 F	250	215	465	158	168	26
VLRI 2B - 30 F	250	215	465	158	168	27
VLRI 2B - 40 F	268	215	483	158	168	29
VLRI 2B - 50 F	286	215	501	158	168	31
VLRI 2B - 60 F	308	245	553	170	203	32
VLRI 2B - 70 F	326	245	571	170	203	39
VLRI 2B - 90 F	362	245	607	170	203	39
VLRI 2B - 110 F	388	245	633	170	203	42
VLRI 2B - 130 F	453	255	708	180	205	43
VLRI 2B - 150 F	489	255	744	180	205	49
VLRI 2B - 180 F	568	280	848	180	205	49
VLRI 2B - 220 F	640	280	920	180	205	61
VLRI 2B - 260 F	716	300	1016	196	235	63

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

The VLRI 4s (**Version "F" with round flanges**) are vertical multistage electric centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor. They are not self-priming.

Design Features

- Base, impellers, diffusers, intermediate chambers and outer liner in stainless steel AISI 304
- Electric pump head and coupling in GG20 cast iron
- Mechanical seal with tungsten carbide primary and secondary ring, EPDM O-ring
- EPDM rubber O ring
- For the version "F" VLRI, round DN 32 counterflanges on request

Motor

- Asynchronous electric three-phase motor with enclosed stator and external ventilation
- Main dimensions are in accordance with the provisions of DIN and IEC standards
- Class F insulation
- Level of protection IP 55
- Maximum environmental temperature 40 °C
- Speed of rotation 2900 rpm

Usage Limitations

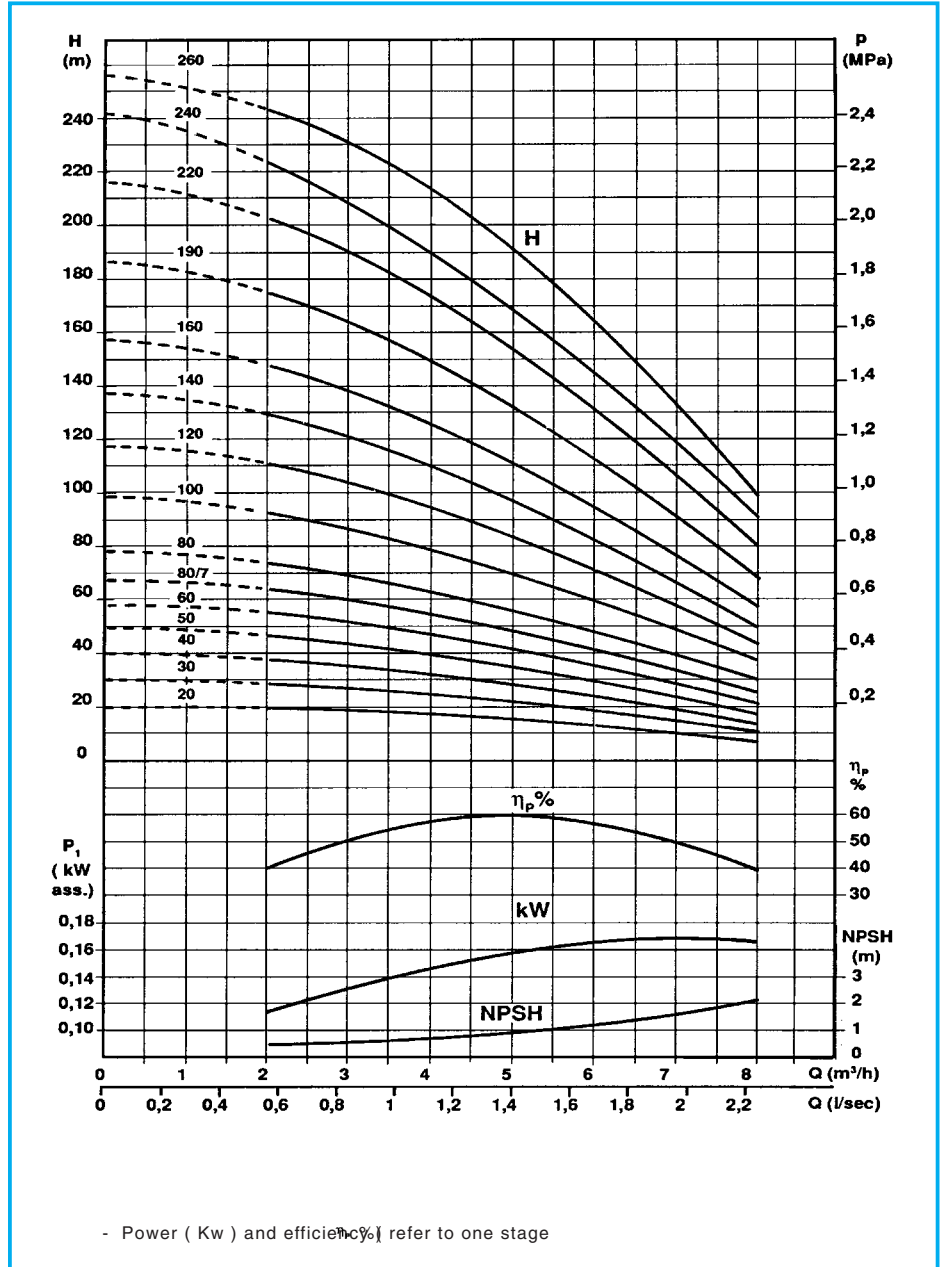
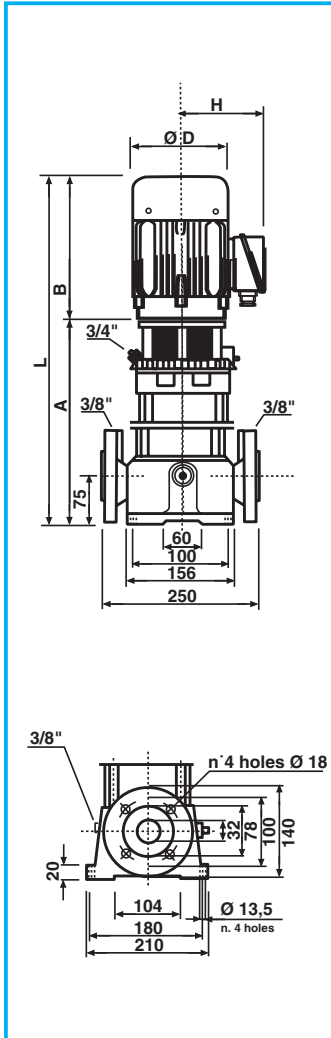
- Liquid temperature from - 15°C to 120°C
- Maximum operating pressure:
 - 25 bar (max. pumped liquid temperature 40 °C)
 - 21 bar (max. pumped liquid temperature 120 °C)
- Maximum inlet pressure:
 - VLRI 4- 20 = 6 bar
 - VLRI 4- 30 - VLRI 4-100 = 10 bar
 - VLRI 4-120 - VLRI 4-260 = 15 bar
- Minimum suction head: please refer to the NPSH values with a safety margin of 0.5 m

Applications

Water supply - Pressure increase systems - Irrigation - High pressure washes - Firefighting systems - Boiler supply - Liquid transfer in general



CODE	MODEL	Motor Power		VOLTAGE	Amp.	μF.	Q	L/1' m³/h	40	60	80	100	120	PRICE	
		HP	kW						2,4	3,6	4,8	6,0	7,2		
E3600010	VLRI 4- 20 F M	0,50	0,37	1 ~ 230 V	2,7	14	Discharge head in meters		19	17	15	13	9		
E3600020	VLRI 4- 20 F T			3 ~ 230+400 V	1,7 - 1,0										
E3600030	VLRI 4- 30 F M	0,75	0,55	1 ~ 230 V	4,0	16			28	25	22	19	13		
E3600040	VLRI 4- 30 F T			3 ~ 230+400 V	2,5 - 1,4										
E3600050	VLRI 4- 40 F M	1,00	0,75	1 ~ 230 V	5,2	25			36	33	29	25	18		
E3600060	VLRI 4- 40 F T			3 ~ 230+400 V	3,3 - 1,9										
E3600070	VLRI 4- 50 F M	1,50	1,10	1 ~ 230 V	8,0	35			44	42	37	31	23		
E3600080	VLRI 4- 50 F T			3 ~ 230+400 V	4,3 - 2,5										
E3600090	VLRI 4- 60 F M	1,50	1,10	1 ~ 230 V	8,0	35			53	50	44	38	27		
E3600100	VLRI 4- 60 F T			3 ~ 230+400 V	4,3 - 2,5										
E3600110	VLRI 4- 80/7 F M	2,00	1,50	1 ~ 230 V	12	45			61	58	51	44	32		
E3600120	VLRI 4- 80/7 F T			3 ~ 230+400 V	5,9 - 3,4										
E3600130	VLRI 4- 80 F M	2,00	1,50	1 ~ 230 V	12	45			71	67	59	50	37		
E3600140	VLRI 4- 80 F T			3 ~ 230+400 V	5,9 - 3,4										
E3600150	VLRI 4-100 F T	3,00	2,20	3 ~ 230+400 V	8,3 - 4,8				90	82	72	61	46		
E3600160	VLRI 4-120 F T	3,00	2,20	3 ~ 230+400 V	8,3 - 4,8				107	99	87	73	54		
E3600170	VLRI 4-140 F T	4,00	3,00	3 ~ 230+400 V	10,9 - 6,3				124	116	102	85	63		
E3600180	VLRI 4-160 F T	4,00	3,00	3 ~ 230+400 V	10,9 - 6,3				142	132	116	97	72		
E3600250	VLRI 4-190 F T	5,50	4,00	3 ~ 230+400 V	13,8 - 8,0				170	157	138	114	86		
E3600190	VLRI 4-190 F T			3 ~ 400+690 V											
E3600260	VLRI 4-220 F T	5,50	4,00	3 ~ 230+400 V	13,8 - 8,0		196	181	160	131	101				
E3600200	VLRI 4-220 F T			3 ~ 400+690 V											
E3600230	VLRI 4-240 F T	7,50	5,50	3 ~ 230+400 V	12,4 - 21,5		213	198	175	143	110				
E3600210	VLRI 4-240 F T			3 ~ 400+690 V											
E3600220	VLRI 4-260 F T	7,50	5,50	3 ~ 230+400 V	12,4 - 21,5		230	231	189	156	120				
E3600240	VLRI 4-260 F T			3 ~ 400+690 V											



Model	Dimensions mm					Net Weight kg
	A	B	L	D	H	
VLRI 4 - 20 F	250	215	465	158	168	26
VLRI 4 - 30 F	277	215	492	158	168	27
VLRI 4 - 40 F	308	245	553	170	203	29
VLRI 4 - 50 F	335	245	580	170	203	31
VLRI 4 - 60 F	362	245	607	170	203	32
VLRI 4 - 80/7 F	435	255	690	180	205	39
VLRI 4 - 80 F	435	255	690	180	205	39
VLRI 4 - 100 F	489	280	769	180	205	42
VLRI 4 - 120 F	543	280	823	180	205	43
VLRI 4 - 140 F	601	300	901	196	235	49
VLRI 4 - 160 F	655	300	955	196	235	49
VLRI 4 - 190 F	761	325	1086	218	256	61
VLRI 4 - 220 F	842	325	1167	218	256	63
VLRI 4 - 240 F	923	390	1313	300	350	87
VLRI 4 - 260 F	977	390	1367	300	350	89

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS IN AISI 304 STAINLESS STEEL

The VLRI 8s (**Version "F" with round flanges**) are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor.

Design Features

- Impellers, shaft, diffusers, intermediate chambers, outer liner and pump base in AISI 304 stainless steel
- Pump head in GG20 cast iron
- EPDM rubber O ring
- Mechanical seal with tungsten carbide primary and secondary ring.
- For the version "F" VLRI's, round DN 40 counterflanges on request

Motor

- Asynchronous electric motor with enclosed stator and external ventilation
- Main dimensions are in accordance with the provisions of DIN and IEC standards
- Class F insulation
- Level of protection IP 55
- Maximum environmental temperature 40 °C
- Speed of rotation 2900 rpm

Usage Limitations

- Liquid temperature from - 15°C to +120°C
- Maximum operating pressure: 25 bar (max. liquid temperature 40 °C)
23 bar (max. liquid temperature 120 °C)
- Maximum inlet pressure:

VLRI 8-20	- VLRI 8-30	= 6 bar
VLRI 8-40	- VLRI 8-200	= 10 bar
- Minimum suction head:
Please refer to NPSH values with a safety margin of 0.5 m

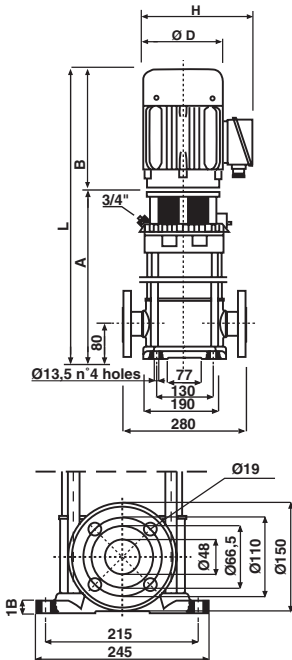
Applications

Water supply - Pressure increase systems - Irrigation - High pressure washes - Firefighting systems - Boiler supply - Liquid transfer

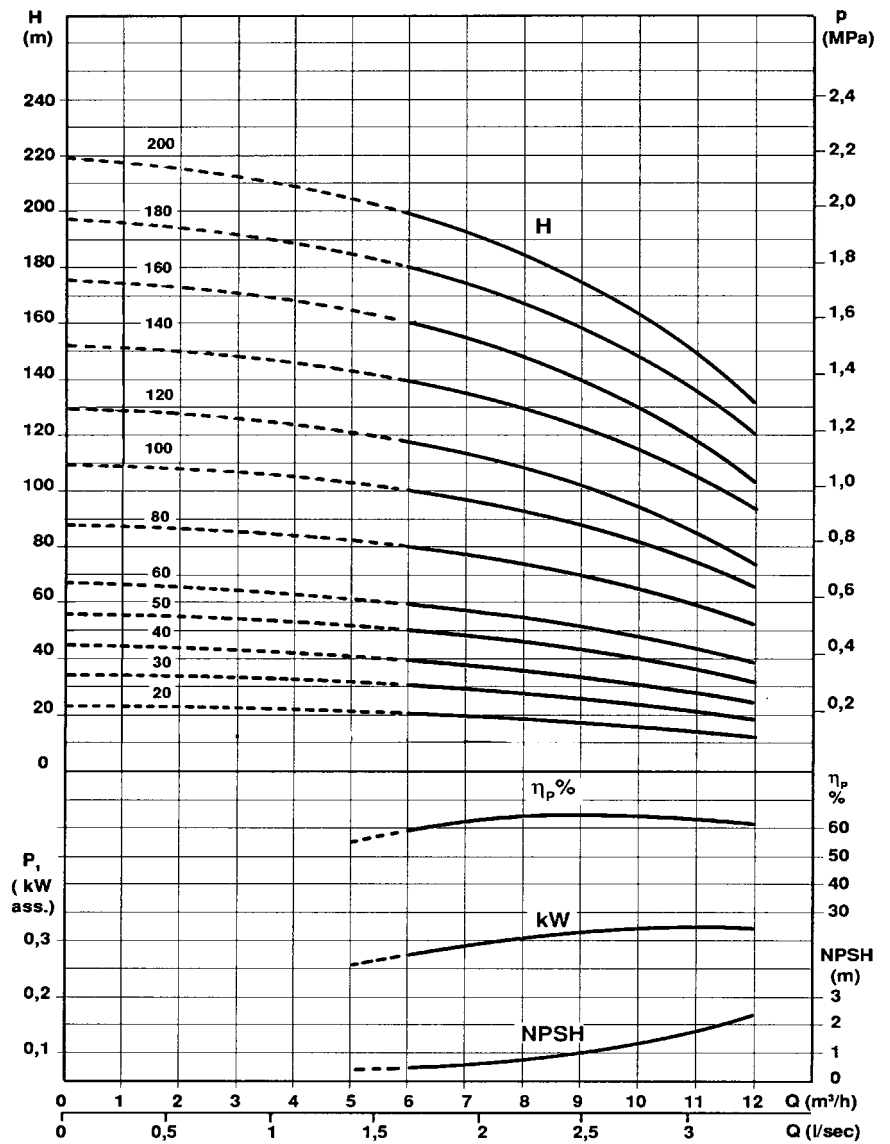
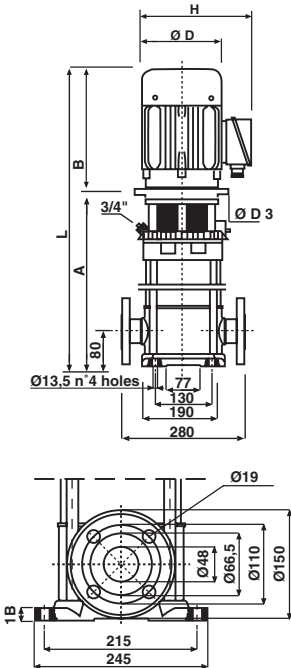


CODE	MODEL	Motor Power		VOLTAGE	Amp.	μF.	Q	Discharge head in meters					PRICE			
		HP	kW					L/1'	50	100	150	175		200		
								m³/h	3	6	9	10,5	12			
E4630010 E4630020	VLRI 8 - 20 F M VLRI 8 - 20 F T	1	0,75	1 ~ 230 V 3 ~ 230 ÷ 400 V	5,2 3,3-1,9	25	Discharge head in meters	21	20	18	15	13				
E4630030 E4630040	VLRI 8 - 30 F M VLRI 8 - 30 F T	1,5	1,1	1 ~ 230 V 3 ~ 230 ÷ 400 V	8 4,3-2,5	35		32	30	27	23	19				
E4630050 E4630060	VLRI 8 - 40 F M VLRI 8 - 40 F T	2	1,5	1 ~ 230 V 3 ~ 230 ÷ 400 V	12 5,9-3,4	45		42	40	35	30	26				
E4630070	VLRI 8 - 50 F T	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1			53	50	44	38	32				
E4630080	VLRI 8 - 60 F T	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1			64	60	52	45	39				
E4630090	VLRI 8 - 80 F T	4	3	3 ~ 230 ÷ 400 V	11,8-6,8			85	80	70	60	52				
E4630100 E4630110	VLRI 8 - 100 F T VLRI 8 - 100 F T	5,5	4	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	16,8-9,7			106	100	88	76	65				
E4630120 E4630130	VLRI 8 - 120 F T VLRI 8 - 120 F T	5,5	4	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	16,8-9,7			127	119	104	90	77				
E4630140 E4630150	VLRI 8 - 140 F T VLRI 8 - 140 F T	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4			149	130	122	105	92				
E4630160 E4630170	VLRI 8 - 160 F T VLRI 8 - 160 F T	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4			171	160	138	120	104				
E4630180 E4630190	VLRI 8 - 180 F T VLRI 8 - 180 F T	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4			193	181	160	135	120				
E4630200 E4630210	VLRI 8 - 200 F T VLRI 8 - 200 F T	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4			214	200	175	153	132				

② Version with round flanges
PN10 DIN 2534/ISO 7005-2



② Version with round flanges
PN10 DIN 2534/ISO 7005-2



- Power (Kw) and efficiency (%) refer to one stage

Model	Dimensions mm						Net Weight kg
	A	B	L	D	H	D ₃	⊙
VLRI 8 - 20 F	-	237	-	160	131	-	33
VLRI 8 - 30 F	-	237	-	160	131	-	35
VLRI 8 - 40 F	-	265	-	185	130	-	43
VLRI 8 - 50 F	-	265	-	185	130	-	45
VLRI 8 - 60 F	-	265	-	185	130	-	46
VLRI 8 - 80 F	-	315	-	200	140	-	54
VLRI 8 - 100 F	-	335	-	200	140	-	55
VLRI 8 - 120 F	-	335	-	200	140	-	59
VLRI 8 - 140 F	745	385	1130	260	185	300	80
VLRI 8 - 160 F	805	385	1190	260	185	300	81
VLRI 8 - 180 F	865	385	1250	260	185	300	85
VLRI 8 - 200 F	925	385	1310	260	185	300	86

VERTICAL MULTISTAGE CENTRIFUGAL PUMPS IN AISI 304 STAINLESS STEEL

The VLRI 16s (**Version "F" with round flanges**) are vertical multistage centrifugal pumps with "in line" suction and delivery points directly connected to an electric motor.

Design Features

- Impellers, shaft, diffusers, intermediate chambers, outer liner and pump base in AISI 304 stainless steel
- Pump head in GG20 cast iron
- EPDM rubber O ring
- Mechanical seal with tungsten carbide primary and secondary ring.
- For the version "F" VLRI's, round DN 50 counterflanges on request

Motor

- Asynchronous electric motor with enclosed stator and external ventilation
- Main dimensions are in accordance with the provisions of DIN and IEC standards
- Class F insulation
- Level of protection IP 55
- Maximum environmental temperature 40 °C
- Speed of rotation 2900 rpm

Usage Limitations

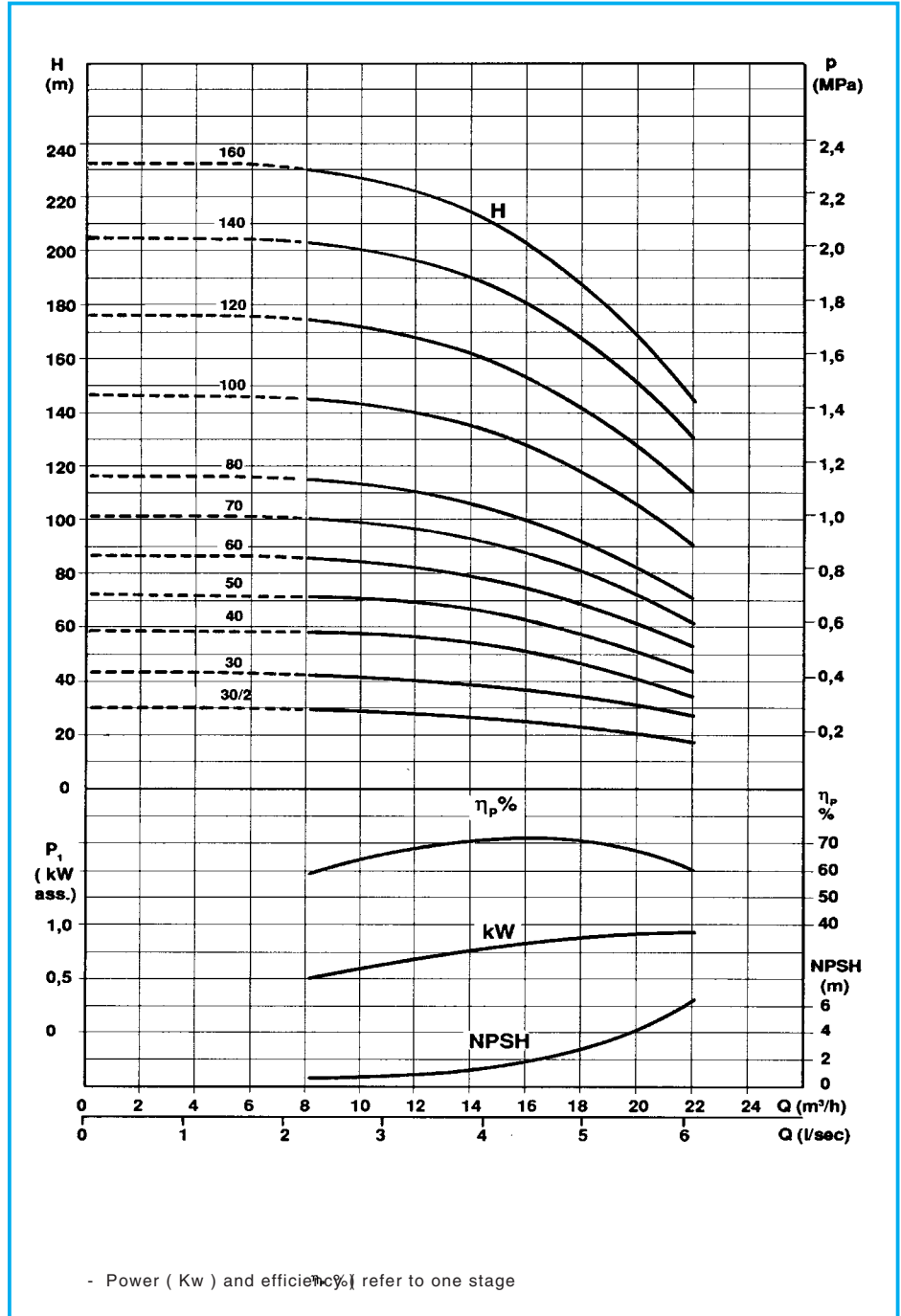
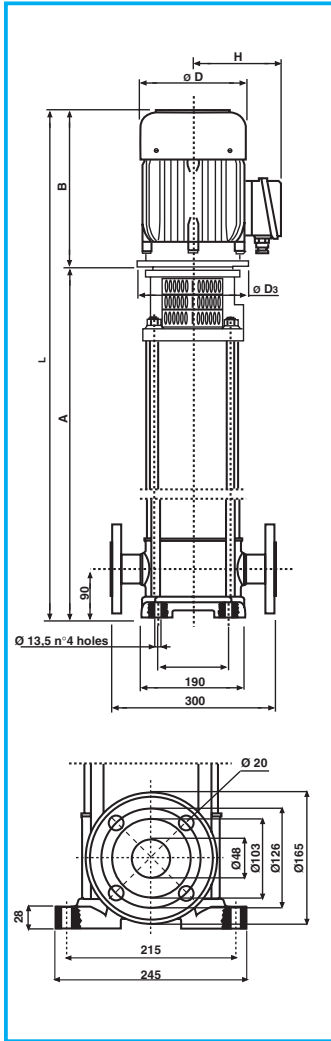
- Liquid temperature from - 15°C to +120°C
- Maximum operating pressure:
VLRI 16/30-2 - VLRI 16/160 25 bar (max temp 85°)
VLRI16/30-2 - VLRI 16/160 23 bar (max temp 120°)
- Maximum inlet pressure:
VLRI 16-30/2 - VLRI 16-80 = 6 bar
VLRI 16-40 - VLRI 16-160 = 10bar
- Minimum suction head:
Please refer to NPSH values with a safety margin of 0.5 m

Applications

Water supply - Pressure increase systems - Irrigation - High pressure washes - Firefighting systems - Boiler supply - Liquid transfer



CODE	MODEL	Motor Power		VOLTAGE	Amp.	Q	L/1' m³/h	100	200	250	300	350	PRICE
		HP	kW					6	12	15	18	21	
E5630010	VLRI 16 - 30/2F T	3	2,2	3 ~ 230 ÷ 400 V	8,8-5,1	Discharge head in meters	29	27	26	22	18		
E5630020	VLRI 16 - 30 F T	4	3	3 ~ 230 ÷ 400 V	11,8-6,8		43	40	37	32	27		
E5630030 E5630040	VLRI 16 - 40 F T VLRI 16 - 40 F T	5,5	4	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	16,8-9,7		58	54	52	44	37		
E5630050 E5630060	VLRI 16 - 50 F T VLRI 16 - 50 F T	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4		72	68	65	56	46		
E5630070 E5630080	VLRI 16 - 60 F T VLRI 16 - 60 F T	7,5	5,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	21,5-12,4		87	81	78	68	58		
E5630090 E5630100	VLRI 16 - 70 F T VLRI 16 - 70 F T	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4		101	95	90	80	67		
E5630110 E5630120	VLRI 16 - 80 F T VLRI 16 - 80 F T	10	7,5	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	28-16,4		116	108	102	92	76		
E5630130 E5630140	VLRI 16 - 100 F T VLRI 16 - 100 F T	15	11	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	40-23,5		145	136	130	118	98		
E5630150 E5630160	VLRI 16 - 120 F T VLRI 16 - 120 F T	15	11	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	40-23,5		174	163	156	140	118		
E5630170 E5630180	VLRI 16 - 140 F T VLRI 16 - 140 F T	20	15	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	50-29		204	190	184	163	140		
E5630190 E5630200	VLRI 16 - 160 F T VLRI 16 - 160 F T	20	15	3 ~ 230 ÷ 400 V 3 ~ 400 ÷ 690 V	50-29		232	220	208	188	159		



Model	Dimensions mm						Net Weight kg
	A	B	L	D	H	D ₃	
VLRI 16 - 30/2 F	460	265	725	185	130	140	44
VLRI 16 - 30 F	464	315	779	200	140	250	48
VLRI 16 - 40 F	509	335	844	200	140	250	51
VLRI 16 - 50 F	575	385	960	260	185	300	74
VLRI 16 - 60 F	620	385	1005	260	185	300	76
VLRI 16 - 70 F	665	385	1050	260	185	300	82
VLRI 16 - 80 F	710	385	1095	260	185	300	84
VLRI 16 - 100 F	830	495	1325	260	185	350	128
VLRI 16 - 120 F	920	495	1425	260	185	350	132
VLRI 16 - 140 F	1010	495	1505	310	230	350	173
VLRI 16 - 160 F	1100	495	1595	310	230	350	177